



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

NOV 3 1987

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Final Asbestos in Schools Regulation  
FROM: Michael M. Stahl, Chief *Michael M. Stahl*  
Hazard Abatement Assistance Branch  
TO: Public and Private School Administrators  
State Governors Representatives

On October 22, 1986, President Reagan signed into law the Asbestos Hazard Emergency Response Act (AHERA) of 1986 (PL-519). Under AHERA, the Environmental Protection Agency (EPA) was directed to promulgate regulations by October 17, 1987 which provide a framework for addressing asbestos problems in public and private elementary and secondary schools. The final rule was signed by the Administrator of EPA on October 17, 1987. The effective date of the regulations is December 14, 1987.

The regulations provide a comprehensive scheme for schools to assess and respond to potential asbestos problems in their buildings. First, the rule requires that all public and private school buildings be inspected by an accredited inspector who visually examines each building in all areas to identify the location of all asbestos containing materials. Afterwards, the Local Education Agency (LEA) is required to develop an asbestos management plan for each school under its administrative control and submit the plan to the state governor on or before October 12, 1988. The AHERA regulations direct the LEA to select and implement appropriate response actions for asbestos-containing materials assessed in the course of the inspection. Each LEA must begin to implement its asbestos management plan on or before July 9, 1989.

I have attached a copy of this new regulation for your reference. In January of 1988 you will be receiving additional guidance in a booklet for LEAs discussing method for implementing these requirements. In the meantime, if you have questions regarding AHERA please contact your Regional Asbestos Coordinator (RAC). The names of the RACs are printed on the reverse side of this document.

Attachment

cc: Regional Asbestos Coordinators  
Branch Chiefs

REGIONAL ASBESTOS COORDINATORS

Ms. Allison Roberts  
ME, VT, NH, CT, MA, RI  
EPA, Region I  
Acting Asbestos Coordinator  
Air & Management Div. (APT-2311)  
JFK Federal Bldg.  
Boston, MA 02203  
(617) 565-3273  
(FTS) 835-3275

Mr. Arnold Freiburger  
NY, NJ, PR, VI  
EPA, Region II  
Asbestos Coordinator  
Woodbridge Ave.  
Raritan Depot, Bldg. 5  
Edison, NJ 08837  
(201) 321-6668  
(FTS) 340-6671

Ms. Pauline Levin  
PA, MD, DE, VA, WV, DC  
EPA, Region III (3HW-40)  
Asbestos Coordinator  
841 Chestnut Bldg.  
Philadelphia, PA. 19107  
(215) 597-9859  
(FTS) 597-9859

Mr. Jim Littell  
GA, AL, MS, FL, NC, SC, TN, KY  
EPA, Region IV  
Asbestos Coordinator  
345 Courtland St. N.E.  
Atlanta, GA 30365  
(404) 347-3222  
(FTS) 257-3222

Mr. Tony Restaino  
IN, OH, IL, MI, WI, MN  
EPA, Region V  
Asbestos Coordinator  
230 S. Dearborn Street  
Chicago, IL 60604  
(312) 886-6003  
(FTS) 886-6003

Mr. John West  
TX, NM, OK, AR, LA  
EPA, Region VI  
Asbestos Coordinator, 6T-PT  
1445 Ross Avenue  
Dallas, Texas 75202-2733  
(214) 655-7244  
(FTS) 255-7244

Mr. Wolfgang Brandner  
KS, MO, NB, IA  
EPA, Region VII  
Asbestos Coordinator  
726 Minnesota Ave.  
Kansas City, KS 66101  
(913) 236-2834  
(FTS) 757-2834

Mr. David Combs  
CO, UT, WY, MT, ND, SD  
EPA, Region VIII  
Asbestos Coordinator, (8AT-TS)  
1 Denver Place  
999 - 18th Street  
Suite 500  
Denver, CO 80202-2413  
(303) 293-1744  
(FTS) 564-1744

Ms. Jo Ann Semones  
CA, NV, AZ, HI, GU  
EPA, Region IX  
Asbestos Coordinator (T-52)  
215 Fremont Street  
San Francisco, CA 94105  
(415) 974-7290  
(FTS) 454-7290

Mr. Walter Jasper  
WA, OR, ID, AK  
EPA, Region X  
Asbestos Coordinators  
1200 Sixth Avenue  
Seattle, WA 98101  
(206) 442-2870  
(FTS) 399-2870

Notes from MD Department of the Environment Meeting 11/18/87

Asbestos Hazard Emergency Response Act (AHERA) goes into effect 12/14/87.

It is NOT the same as the Asbestos in Schools Rule of 1982. From that rule you should have on file the inspection and results of any sampling done for friable asbestos. All such found and not removed should be labeled with a warning and all school people should have been notified.

#### NOW

Step one: Each individual school must designate someone as its ASBESTOS Coordinator who will sign off that the school is in compliance. This person must have training! (AIMS will plan to offer one such option for training.) To protect the liability of this person the Board of Trustees should have a policy in place which has been reviewed by an attorney and school's insurance agent. Does your liability have an asbestos exclusion?

Step two: The entirety of all school buildings, in or out, rented or leased, must be inspected AGAIN for friable and non-friable asbestos containing material (ACM). (No air sampling.) KEY: ALL INSPECTORS MUST BE EPA ACCREDITED. (There is some grandfathering of inspectors allowed, but be careful.)

Step three: A Management Plan must be written with very specific information by a person who is EPA Accredited as a Management Planner. The Plan must be sent to the state by 10/12/88.

Checking certification of those you hire is critical.

The burden of compliance with AHERA is on the school.

ALL THE ABOVE MUST BE ACCOMPLISHED BY 10/12/88. NO school is excused, even if it is known that there is NO ASBESTOS.

Compliance is complicated.

#### NUMBERS TO CALL

For copies of the regulations (October 30 and April): 202-554-1404.

Ask for EPA Part III 40 CFR Part 763 in Federal Register Vol 52 # 210  
For information and questions: MD ASBESTOS HOTLINE 301-225-6453, an answering machine. All calls returned in 24 hours.

For grants: Asbestos Action Group (There is next to no money at present.) 202-382-3949.

For the "Purple Book", Guidance for Controlling Asbestos, the TSCA Office 202-554-1404

#### THEN

Implementation of The Plan must begin by July 9, 1989.

Plan must be maintained and kept current.

All known and assumed friable and non-friable asbestos containing material must be reinspected every 3 years.

The PENALTY for noncompliance can be as much as \$5000 per day per building.

#### RECOMMENDATIONS

HIRE only newly certified people, certified in the area for which you are hiring them - Inspector, Management Planner, Abatement Worker Contractor/Supervisor, Project Designer.

You can send one of your own staff to EPA approved training for inspection (3 day course) and for Management Plan (2 more days) but for the latter some engineering knowledge is best.

Do NOT let staff touch any ASBESTOS repair, removal, or clean up.

HIRE a Consultant! Best in most cases not to try to do it your self by training your own people.

START NOW. SEE ATTACHED - Suggested Timetable.

This is not meant to be an exhaustive explanation. You need to attend the next AIMS Business Managers Meeting.

AIMS Business Managers Meeting  
Tuesday, December 15, 1987  
10:30 AM to Noon  
at Garrison Forest School\*  
Lecture Hall in the Library

All phases of the above procedures will be performed by personnel who are properly and currently accredited by EPA. (Credentials to be presented.)

For your records I have listed my accreditation credentials below:

Inspectors License Number # RWJ0004A

Management Planner Number # RWJ0003B

Accreditation may be verified by calling the Mid-Atlantic Asbestos Training Center (Sponsored by the U.S. Environmental Protection Agency) at:

The University of Medicine and Dentistry  
of New Jersey  
Robert Wood Johnson Medical School (Rutgers)  
675 Hoes Lane  
Piscataway, New Jersey 08854-5635  
Telephone (201) 463 4500

or

Mr. Dan LaHart, Senior Industrial Hygienist  
Accreditation Division Room 214  
Maryland Department of the Environment  
201 West Preston Street  
Baltimore, Maryland 21201  
Telephone 301 225 5755

Should you select our office to perform these services, we can schedule your school in for early this 2nd. quater.

Yours truly,

  
Gerald C. Beauchesne

GCB/kbo

# GERALD C. BEAUCHESNE & ASSOCIATES

PROPERTY INSPECTION AND ANALYSIS

6420 SHERWOOD ROAD • BALTIMORE, MD 21239

TELEPHONE 301-377-8949

February 9, 1988

Mr. Ryland Moore, Business Manager  
Brown Memorial Weekday School  
North Charles Street and Woodbrook Lane  
Baltimore, Maryland 21212

Dear Mr. Moore:

Below is a summary of the proposal and estimate for the inspection, analysis, and subsequent development of the management plans to meet the regulations required by AHERA (Asbestos Hazard Emergency Response Act).

This service consists of two separate procedures; performing the inspection and bulk sampling, and developing the asbestos management plans.

## A. INSPECTION:

1. Inspect school for friable asbestos containing material (ACM) including all areas of all buildings.
2. Sample all friable material according to EPA protocol.
3. Have samples analyzed by accredited lab and interpret analysis.
4. Assess condition of friable and nonfriable material determined to be ACM.
5. Provide records of inspection and analysis.
6. Certify that compliance has been met.

## B. MANAGEMENT PLANS:

1. Develop drawings listing locations of bulk sampling and ACM.
2. Interpret test results and perform hazard assessment.
3. Develop appropriate response action plans.
4. Develop plans for periodic inspections and surveillance activities.
5. Develop living records to be kept at school.
6. Develop "Operation and Maintenance" plans for school custodians.
7. Certify that compliance has been met.
8. Submit plans to Maryland Department of the Environment for approval or revision.

The inspection and maintenance plan is to include the following buildings: The main school building and adjacent church building with activity rooms, and tunnel between buildings. If there are any other buildings on the property which you have questions about, i.e. whether or not they must be included in the inspection, I would recommend that you contact The Maryland Department of the Environment or the EPA enforcement office in Washington (Mr. Dan Helfgott 202-382 7825).

Total consulting fee for the inspection, collection of bulk sampling, assessment of present condition, and development of management and operation and maintenance plans for all buildings listed above including any revisions necessary after plans have been submitted to The State of Maryland Department of the Environment:

\$3000.00

Cost of bulk sample analysis by accredited lab based on approximately 40 samples at \$20 per sample:

\$800.00

Total

-----  
\$3800.00

This figure will vary according to the amount of individual samples required. We would of course make every effort to limit the number of samples taken and obtain only those necessary to insure the safety of the building occupants and to meet the requirements set forth by AHERA.

Terms: One half total down upon commencement of inspection. Balance due when management plans are complete and delivered to the school ready for submission to Maryland State Department of the Environment.

All phases of the above procedures will be performed by personnel who are properly and currently accredited by EPA. (Credentials to be presented.)

For your records I have listed my accreditation credentials below:

Inspectors License Number # RWJ0004A

Management Planner Number # RWJ0003B

Accreditation may be verified by calling the Mid-Atlantic Asbestos Training Center (Sponsored by the U.S. Environmental Protection Agency) at:

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Robert Wood Johnson Medical School (Rutgers)  
675 Hoes Lane  
Piscataway, New Jersey 08854-5635  
Telephone (201) 463 4500

or

Mr. Dan LaHart, Senior Industrial Hygienist  
Accreditation Division Room 214  
Maryland Department of the Environment  
201 West Preston Street  
Baltimore, Maryland 21201  
Telephone 301 225 5755

Should you select our office to perform these services, we can  
schedule your school in for very early 1988.

Yours truly,

  
Gerald C. Beauchesne

James W. Lewis  
Industrial Hygienist  
Maryland Department  
of the Environment  
(301) 225-5755

### Management Plan Development

#### Regulatory Deadlines

- |    |                                  |   |
|----|----------------------------------|---|
| 1. | October 12, 1988                 | Management Plan must be submitted to the State. |
| 2. | 30 days after rejection by State | Resubmit corrected Management Plan to the State |
| 3. | July 9, 1989                     | Implement Management Plan                       |

#### Suggested Operational Milestones

These are possible tasks which LEAs could initiate to help meet requirements by the October 12, 1988 deadlines.

1. Appointment of an Asbestos Coordinator to oversee compliance with AHERA regulations.
2. Assemble and review existing information on presence and conditions of asbestos containing materials in school buildings.
3. Decision by LEA Asbestos Coordinator whether inspections and management plan development will be conducted by accredited in-house personnel or will be done by an accredited consulting firm.
4. Development of detailed job specifications for accredited inspection and management plan development activities.
5. Budget formulation and fund procurement for:
  - a. hiring accredited personnel to inspect schools and develop the management plan
  - b. having in-house personnel accredited to inspect schools and develop the management plan
  - c. execution of response actions which may arise as a result of the inspection.
  - d. training courses for staff who may contact asbestos materials
  - e. purchase of materials for an Operations and Maintenance Program.
6. Solicitation and award of bids for contracted inspections and management plan development.
7. Documentation of accreditation of personnel inspecting the school and writing the management plan.

8. Review of inspection data by the LEA Asbestos Coordinator. Review should ascertain that all inspection requirements have been met before payment is made to any consultants.
9. Review of response actions designed and executed by accredited personnel.
10. Review of Management Plan by the LEA Asbestos Coordinator. Obtain approval by the school's governing board.
11. Preparation of the final report by the LEA which will include all materials developed by the accredited personnel.
12. Submission of the management plan to the State by October 12, 1988.

# GERALD C. BEAUCHESNE & ASSOCIATES

PROPERTY INSPECTION AND ANALYSIS

904 BREEZEWICK CIRCLE • TOWSON, MD 21204

LAB. Microscopy Research Laboratories, Inc.

TELEPHONE 301-377-8949

STREET 1167 Highway 28 P.O. Box 5115

TELEPHONE 201/526-9192

STATE North Branch, New Jersey

SAMPLE NUMBER	DATE COLLECTED	TYPE OF ANALYSIS
BMSM 13 GB01	7/14/88	Asbestos Content and Type
BMSM 8 GB02	"	"
BMSM NC GB03	"	"
BMSM 18 GB04	"	"
BMSM O GB05	"	"
BMFM E GB06	"	"
BMSM EC GB07	"	"
BMFM C GB08	"	"
BMSL MC GB09	"	"
BMSL 33 GB10	"	"
BMSL E GB11	"	"
BMFM CMO GB12	"	"
BMFL YG GB13	"	"
BMSL 39 GB14	"	"
BMSM 13 GB15	"	"
BMSM 8 GB16	"	"
BMFM V GB17	"	"
BMSL 38 GB18	"	"
BMSL L GB19	"	"
BMFM MR GB20	"	"
BMFM C GB21	"	"
BMSM 9 GB22	"	"
BMSM 10 GB23	"	"
BMSM 11 GB24	"	"
BMSL BR GB25	"	"
BMSL BR GB26	"	"
BMFL BR GB27	"	"
BMSL BR GB28	"	"
BMSL BR GB29	"	"
BMFL BR GB30	"	"

BROWN MEMORIAL PRESBYTERIAN

MAILED BY G. BEAUCHESNE

DATE 8/5/88

DELIVERED BY \_\_\_\_\_

DATE \_\_\_\_\_

RECEIVED BY \_\_\_\_\_

DATE \_\_\_\_\_

"THE HOME INSPECTION IS MORE VALUABLE THAN THE APPRAISAL"

# GERALD C. BEAUCHESNE & ASSOCIATES

PROPERTY INSPECTION AND ANALYSIS

LAB. BIOSPHERICS INCORPORATED

904 BREEZEWICK CIRCLE • TOWSON, MD 21204

STREET 12051 Indian Creek Court

TELEPHONE 301-377-8949  
301/369-3900

STATE Beltsville, Maryland 20705

SAMPLE NUMBER	DATE COLLECTED	TYPE OF ANALYSIS
M1 GB GBA	7/22/88	Asbestos Content and Type (PLM)
BR Q GB22	"	"
M1 WCH GB2	"	"
CH2 GB95	"	"
CH1 GBMN	"	"
CH1 GB48A	"	"
BCM 1R2 GB20	7/15/88	"
BCE 1R3 GB10	"	"
BMSL 33 GB10	7/14/88	BROWN MEMORIAL SAMPLES
BMFM MR GB20	"	
BMFL BR GB30	"	
N1 100 GBOM	7/24/88	"
NB C GB201	"	"

*Gerald C. Beauchesne*

MAILED BY \_\_\_\_\_ DATE \_\_\_\_\_

DELIVERED BY G. Beauchesne DATE 8/8/88

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_

"THE HOME INSPECTION IS MORE VALUABLE THAN THE APPRAISAL"

# MICROSCOPY RESEARCH LABORATORIES, INC.

1167 HIGHWAY 28

P.O. BOX 5115

NORTH BRANCH, NJ 08876

201/526-9192

Gerald C. Beuchesne & Associates  
904 Breezewick Circle  
Towson, MD 21204

Date of Report  
8/11/88

## RESULTS OF BULK SAMPLE ANALYSIS FOR ASBESTOS

Method: PLM EPA-600/M4-82-020 12/82

Client project No. \_\_\_\_\_  
Site Brown Memorial Presbyterian

Date sample(s) rec'd MRL:  
8/08/88

<u>MRL</u> <u>Sample #</u>	<u>Client</u> <u>Sample #</u>	<u>Results</u>
1345	BMSM 13 GB01	No asbestos: 2% cellulose.
1346	BMSM 8 GB02	No asbestos: 1% cellulose.
1347	BMSM NC GB03	No asbestos: No fibers present.
1348	BMSM 18 GB04	No asbestos: No fibers present.
1349	BMSM 0 GB05	No asbestos: 1% cellulose.
1350	BMFM E GB06	No asbestos: 1% cellulose.
1351	BMSM EC GB07	No asbestos: No fibers present.
1352	BMFM C GB08	No asbestos: 95% fibrous glass, 5% cellulose.
1353	BMSL MC GB09	No asbestos: 95% fibrous glass, 5% cellulose.
1354	BMSL 33 GB10	No asbestos: 95% fibrous glass, 5% cellulose.
1355	BMSL E GB11	No asbestos: 95% fibrous glass, 5% cellulose.
1356	BMFM CMO GB12	No asbestos: 95% fibrous glass, 5% cellulose.
1357	BMFL YG GB13	No asbestos: 95% fibrous glass, 5% cellulose.
1358	BMSL 39 GB14	No asbestos: 95% fibrous glass, 5% cellulose.
1359	BMSM 13 GB15	No asbestos: No fibers present.
1360	BMSM 8 GB16	No asbestos: No fibers present.

# MICROSCOPY RESEARCH LABORATORIES, INC.

1167 HIGHWAY 28

P.O. BOX 5115

NORTH BRANCH, NJ 08876

201/526-9192

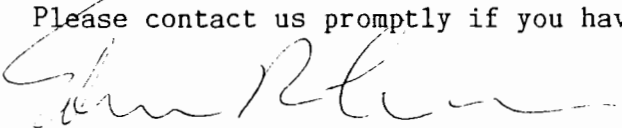
Brown Memorial Presbyterian - Page 2 - 8/11/88

<u>MRL Sample #</u>	<u>Client Sample #</u>	<u>Results</u>
1361	BMFM V GB17	No asbestos: 3% cellulose.
1362	BMSL 38 GB18	No asbestos: No fibers present.
1363	BMSL L GB19	No asbestos: 2% cellulose.
1364	BMFM MR GB20	No asbestos: 1% cellulose.
1365	BMFM C GB21	No asbestos: 2% cellulose.
1366	BMSM 9 GB22	No asbestos: No fibers present.
1367	BMSM 10 GB23	No asbestos: 2% cellulose.
1368	BMSM 11 GB24	No asbestos: Backing - 100% cellulose; Bulk - No fibers present.
1369	BMSL BR GB25	No asbestos: 1% cellulose.
1370	BMSL BR GB26	No asbestos: 1% cellulose.
1371	BMFL BR GB27	No asbestos: 1% cellulose.
1372	BMSL BR GB28	70% amosite asbestos.
1373	BMSL BR GB29	70% chrysotile asbestos.
1374	BMFL BR GB30	70% chrysotile asbestos.

Telephone report to 2/P.

Date           

Please contact us promptly if you have further question about these results.

  
Edwin R. Levin, Ph.D.

Director, Asbestos Analysis Division

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Received: 08/08/88

BIOSPHERICS INC  
Results by Sample

Work Order # 88-08-

SAMPLE ID BMFMMRGB20

**BROWN MEMORIAL**

FRACTION 35A TEST CODE ASBULK NAME BULK ASBESTOS ANALYSIS  
Date & Time Collected not specified Category BULK

DATE ANALYZED 08/11/88

ANALYST SANDER

VERIFIED BY KND

ASBESTOS	RESULT
% Chrysotile	NAD
% Amosite	
% Crocidolite	
% Tremolite	

NON-ASBESTOS	RESULT
CELLULOSE FIBER	2-5%
FIBROUS GLASS	TRACE
SYNTHETIC FIBER	TRACE
NANF	90-95%

Definitions of Reporting Terms.

NAD = No Asbestos Detected. \* = Presence Noted.

NANF = Non-asbestos Non-fibrous.

Trace = Trace Amounts Noted: less than 1%

Sample Information:

SAMPLE ID BRFLBRGB30

**BROWN MEMORIAL**

FRACTION 36A TEST CODE ASBULK NAME BULK ASBESTOS ANALYSIS  
Date & Time Collected not specified Category BULK

DATE ANALYZED 08/11/88

ANALYST SANDER

VERIFIED BY KND

ASBESTOS	RESULT
% Chrysotile	70-75%
% Amosite	
% Crocidolite	
% Tremolite	

NON-ASBESTOS	RESULT
CELLULOSE FIBER	TRACE
NON-ASBESTOS FIBER	1-2%
NANF	20-25%

Definitions of Reporting Terms.

NAD = No Asbestos Detected. \* = Presence Noted.

NANF = Non-asbestos Non-fibrous.

Trace = Trace Amounts Noted: less than 1%

Sample Information: Please Note: Sample ID (BRFLBRGB30) does not match Paperwork ID (BMFLBRGB)

Page 17  
Received: 08/08/88

BIOSPHERICS INC  
Results by Sample

Work Order # 88-08-

SAMPLE ID BCEIR3GB10 FRACTION 33A TEST CODE ASBULK NAME BULK ASBESTOS ANALYSIS  
Date & Time Collected not specified Category BULK

DATE ANALYZED 08/11/88 ANALYST SANDER VERIFIED BY KMD

ASBESTOS	RESULT	NON-ASBESTOS	RESULT
% Chrysotile	NAD	CELLULOSE FIBER	90-95%
% Amosite		NANF	2-5%
% Crocidolite			
% Tremolite			

Definitions of Reporting Terms.  
NAD = No Asbestos Detected. \* = Presence Noted.  
NANF = Non-asbestos Non-fibrous.  
Trace = Trace Amounts Noted: less than 1%  
Sample Information:

SAMPLE ID BMSL33GB10 FRACTION 34A TEST CODE ASBULK NAME BULK ASBESTOS ANALYSIS  
Date & Time Collected not specified Category BULK

**BROWN MEMORIAL**

DATE ANALYZED 08/11/88 ANALYST SANDER VERIFIED BY KMD

ASBESTOS	RESULT	NON-ASBESTOS	RESULT
% Chrysotile	NAD	CELLULOSE FIBER	5-10%
% Amosite		FIBROUS GLASS	50-55%
% Crocidolite		NANF	30-35%
% Tremolite			

Definitions of Reporting Terms.  
NAD = No Asbestos Detected. \* = Presence Noted.  
NANF = Non-asbestos Non-fibrous.  
Trace = Trace Amounts Noted: less than 1%  
Sample Information:

## INSPECTION SAMPLE INFORMATION LOG

Date of Inspection: 7-13-88

Location of Inspection: Brown Memorial

Inspector's Name and ID#: Gerald C. Beauchesne, RWJ0004A, RWJ0003B

Sample #	Type Sample B,D,A	Description of Area or Sample Location	Photograph		ACM present		Condition ACM	Comments
			Yes, Where	No	Yes, Type & %	No		
BMSLBRGB25	B	Boiler Room, Lower Level above left of crawl space		X		X		Smooth plaster
BMSLBRGB26	B	Boiler Room, Lower Level, over door to storage room		X		X		Smooth plaster
BMSLBRGB28	B	Boiler Room, Lower Level, ceiling over bottom stairs		X	70% amosite asbestos		Good	Smooth plaster
BMSLBRGB29	B	Boiler #2 from around hatch handle, main, lower		X	70% chrysotile asbestos		Fair	Plaster lagging
BMFLBRGB27	B	From air duct to right by Boiler #2, main, lower		X		X		Plaster lagging
BMFLBRGB30	B	Boiler Room Fellowship Insul. around A/C system		X	70% chrysotile asbestos		Fair	Plaster lagging
BMFLBRGB30*	B	Boiler Room Fellowship Insul. around A/C system		X	70% chrysotile asbestos		Fair	Plaster lagging

NOTE: B = Bulk, D = Dust, A = Air

\* = QA Sample

## INSPECTION SAMPLE INFORMATION LOG

Date of Inspection: 7-13-88

Location of Inspection: Brown Memorial

Inspector's Name and ID#: Gerald C. Beauchesne, RWJ0004A, RWJ0003B

Sample #	Type Sample B,D,A	Description of Area or Sample Location	Photograph		ACM present		Condition ACM	Comments
			Yes, Where	No	Yes, Type & %	No		
BMSM9GB22	B	Main Floor, Room 9 Center left wall		X		X		Gypsum Drywall
BMSM10GB23	B	Main, Room 10, left of entrance under wall desk		X		X		Gypsum Drywall
BMSM11GB24	B	Main, Room 10, right of entrance door		X		X		Gypsum Drywall
BMSM13GB15	B	Main, Room 13, behind recep. plate rt. of entrance		X		X		Wall Plaster
BMSM8GB16	B	Main, Room 8, behind 220v outlet		X		X		Wall Plaster
BMFMVGB17	B	Main, Vestment behind light switch rt. of entrance		X		X		Wall Plaster
BMSL38GB18	B	Lower, Rm 38, behind elec outlet left of entrance door		X		X		Wall Plaster

NOTE: B = Bulk, D = Dust, A = Air

\* = QA Sample

## INSPECTION SAMPLE INFORMATION LOG

Date of Inspection: 7-13-88

Location of Inspection: Brown Memorial

Inspector's Name and ID#: Gerald C. Beauchesne, RWJ0004A, RWJ0003B

Sample #	Type Sample B,D,A	Description of Area or Sample Location	Photograph		ACM present		Condition ACM	Comments
			Yes, Where	No	Yes, Type & %	No		
BMSLLGB19	B	Lower lobby, on side of staircase		X		X		Wall Plaster
BMFMMRGB20	B	Main, Men's Room behind light switch		X		X		Wall Plaster
BMFMRRGB20*	B	Main, Men's Room behind light switch		X		X		Wall Plaster
BMFMCGB21	B	Main, Chapel, east wall at stage		X		X		Wall Plaster
BMFMCGB08	B	Main, Chapel, Main Ent. above exit sign		X		X		Fiber
BMSLMCGB09	B	Lower, Main, Corridor above door to Room 38		X		X		Fiber
BMSL33GB10	B	Lower, Rm 33, tile directly above entrance		X		X		Fiber

NOTE: B = Bulk, D = Dust, A = Air

\* = QA Sample

## INSPECTION SAMPLE INFORMATION LOG

Date of Inspection: 7-13-88

Location of Inspection: Brown Memorial

Inspector's Name and ID#: Gerald C. Beauchesne, RWJ0004A, RWJ0003B

Sample #	Type Sample B,D,A	Description of Area or Sample Location	Photograph		ACM present		Condition ACM	Comments
			Yes, Where	No	Yes, Type & %	No		
BMSL33B10*	B	Lower, Rm 33, tile directly above entrance		X		X		Fiber
BMSLEGB11	B	Lower corridor, above corri- dor ent. at telephone wire		X		X		Fiber
BMFMCOGB12	B	Main, Choir Master's Office behind middle ceiling light		X		X		Fiber
BMFLYGGB12	B	Lower, Youth game room, ceiling near restroom door		X		X		Fiber
BMSL34GB14	B	Lower, Room 39, directly above entrance door		X		X		Fiber
BMSMBGB01	B	Main, Room 13, directly above entrance door		X		X		Plaster
BMSM8GB02	B	Main, Rm 8, directly over entrance door		X		X		Plaster

NOTE: B = Bulk, D = Dust, A = Air

\* = QA Sample

## INSPECTION SAMPLE INFORMATION LOG

Date of Inspection: 7-13-88

Location of Inspection: Brown Memorial

Inspector's Name and ID#: Gerald C. Beauchesne, RWJ0004A, RWJ0003B

Sample #	Type Sample B,D,A	Description of Area or Sample Location	Photograph		ACM present		Condition ACM	Comments
			Yes, Where	No	Yes, Type & %	No		
BMSM18GB04	B	Main, Room 18, behind chandelier ceiling plate		X		X		Plaster
BMSMOGB05	B	Business office directly above entrance to room		X		X		Plaster
BMFMEGB06	B	Fellowship entrance, east door, above entrance		X		X		Plaster
BMSMECGB07	B	Main, E. cor., outside office over top step, E. stairwell		X		X		Plaster

NOTE: B = Bulk, D = Dust, A = Air

\* = QA Sample

### **III. PRELIMINARY RESULTS OF THE INSPECTION**

#### **C. FIELD DATA FORMS**

## FIELD DATA FORM FOR BULK SAMPLES

LOCATION: Brown Memorial Presbyterian Church

SAMPLE NUMBER	DATE COLLECTED	LOCATION OF SAMPLE			TYPE OF MATERIAL	SAMPLE LOCATION	PHOTO
		FLOOR	ROOM	DESCRIPTION			
BMSM13GB01	7/13/88	School Main	13	Blown-on surfacing material--ceiling	Plaster	Directly over entrance door	No
BMSM8GB02	7/13/88	School Main	8	Blown-on surfacing material--ceiling	Plaster	Directly over entrance door	No
BMSMNCGB03	7/13/88	School Main	North Corr.	Blown-on surfacing material--ceiling	Plaster	Over closet to entrance door	No
BMSM18GB04	7/13/88	School Main	18	Blown-on surfacing material--ceiling	Plaster	Behind chandelier ceiling plate	No <sup>5</sup> <del>19</del>
BMSM06GB05	7/13/88	School Main	Busi- ness Office	Blown-on surfacing material--ceiling	Plaster	Directly above lobby entrance to office	No
BMFMEGGB06	7/13/88	Fellow- ship Main Floor	En- trance	Blown-on surfacing material--ceiling	Plaster	Directly above entrance east door	No
BMSMECGB07	7/13/88	School Main	East Corr. (outside office)	Blown-on surfacing material--ceiling	Plaster	Directly over top step of east stairwell	No

## FIELD DATA FORM FOR BULK SAMPLES

LOCATION: Brown Memorial Presbyterian Church

SAMPLE NUMBER	DATE COLLECTED	LOCATION OF SAMPLE			TYPE OF MATERIAL	SAMPLE LOCATION	PHOTO
		FLOOR	ROOM	DESCRIPTION			
BMFMCGB08	7/13/88	Main	Chapel	1x1 tiles on wall material--ceiling	Fiber	Main entrance directly above exit sign	No
BMSLMCGB09	7/13/88	Lower	Main Corr.	1x1 tiles on wall material--ceiling	Fiber	Directly above end (south) door to Room 38	No
BMSL33GB10	7/13/88	Lower	33	1x1 tiles on wall material--ceiling	Fiber	Tile directly above entrance	No
BMSL33GB10(QA)	7/13/88	Lower	33	1x1 tiles on wall material--ceiling	Fiber	Tile directly above entrance	No
BMSLEGB11	7/13/88	Lower	Corr. entrance	1x1 tiles on wall material--ceiling	Fiber	Above corr. entrance where telephone wire comes through ceiling	No
BMFMCGB12	7/13/88	Main	Choir Master's office	1x1 tiles on wall material--ceiling	Fiber	Behind middle ceiling light	No escutcheon
BMFLYGGB13	7/13/88	Lower	Youth Game	1x1 tiles on wall material--ceiling	Fiber	Ceiling near rest room door	No
BMSL39GB14	7/13/88	Lower	39	1x1 tiles on wall material--ceiling	Fiber	Directly above entrance door inside room 39	No

## FIELD DATA FORM FOR BULK SAMPLES

LOCATION: Brown Memorial Presbyterian Church

SAMPLE NUMBER	DATE COLLECTED	LOCATION OF SAMPLE			TYPE OF MATERIAL	SAMPLE LOCATION	PHOTO
		FLOOR	ROOM	DESCRIPTION			
BMSM13GB15	7/13/88	Main	13	Wall plaster material--ceiling	Plaster	Behind receptacle plate to right of entrance	No
BMSM13GB16	7/13/88	Main	8	Wall plaster material--ceiling	Plaster	Behind 220 volt outlet plate	No
BMFMVGB17	7/13/88	Main	Vestment	Wall plaster material--ceiling	Plaster	Behind light switch of entrance	No
BMFMVGB18	7/13/88	Lower	38	Wall plaster material--ceiling	Plaster	Behind electrical outlet to left of entrance door	No
BMSLLGB19	7/13/88	Lower	Lobby	Wall plaster material--ceiling	Plaster	On side of staircase	No
BMFMRGB20	7/13/88	Main	Men's Room	Wall plaster material--ceiling	Plaster	Behind light switch	No
BMFMRGB20 (QA)	7/13/88	Main	Men's Room	Wall plaster material--ceiling	Plaster	Behind light switch	No
BMFMCGB21	7/13/88	Main	Chapel	Wall plaster material--ceiling	Plaster	East wall at stage	No
BMSLLGB19	7/13/88	Lower	Lobby	Wall plaster material--ceiling	Plaster	On side of staircase	No

LOCATION: Brown Memorial Presbyterian Church

58-5

## FIELD DATA FORM FOR BULK SAMPLES

LOCATION: Brown Memorial Presbyterian Church

SAMPLE NUMBER	DATE COLLECTED	LOCATION OF SAMPLE			TYPE OF MATERIAL	SAMPLE LOCATION	PHOTO
		FLOOR	ROOM	DESCRIPTION			
BMSLBRGB25	7/13/88	Lower	Boiler	Smooth plaster	Plaster	Above left of crawl space where elec. conduit comes thru	No
BMSLBRGB26	7/13/88	Lower	Boiler	Smooth plaster	Plaster	Over entrance door to storage room	No
BMFLBRGB27	7/13/88	Lower	Boiler	Smooth plaster	Plaster	Bottom of stairs hole in ceiling	No
BMSLBRGB28	7/13/88	Lower Main	Boiler	Boiler lagging insulation	Plaster type	Rt. boiler #2 from around hatch handle	No
BMSLBRGB29	7/13/88	Lower Main	Boiler	Insulation around A/C duct system	Plaster lagging	From air duct to right of boiler #2	No
BMFLBRGB30	7/13/88	Lower Fellow-ship	Boiler	Insulation around A/C duct system	Plaster lagging	Directly across from entrance behind elec. conduit	No
BMFLBRGB30(QA)	7/13/88	Lower Fellow-ship	Boiler	Insulation around A/C duct system	Plaster lagging	Directly across from entrance behind elec. conduit	No

**III. PRELIMINARY RESULTS OF THE INSPECTION**  
**D. COPIES OF LABORATORY RESULTS**

**III. PRELIMINARY RESULTS OF THE INSPECTION**  
**E. DIAGRAMS**

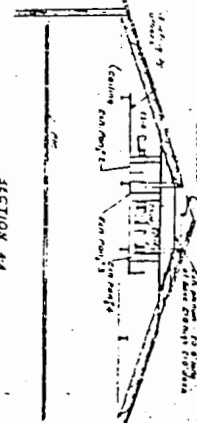
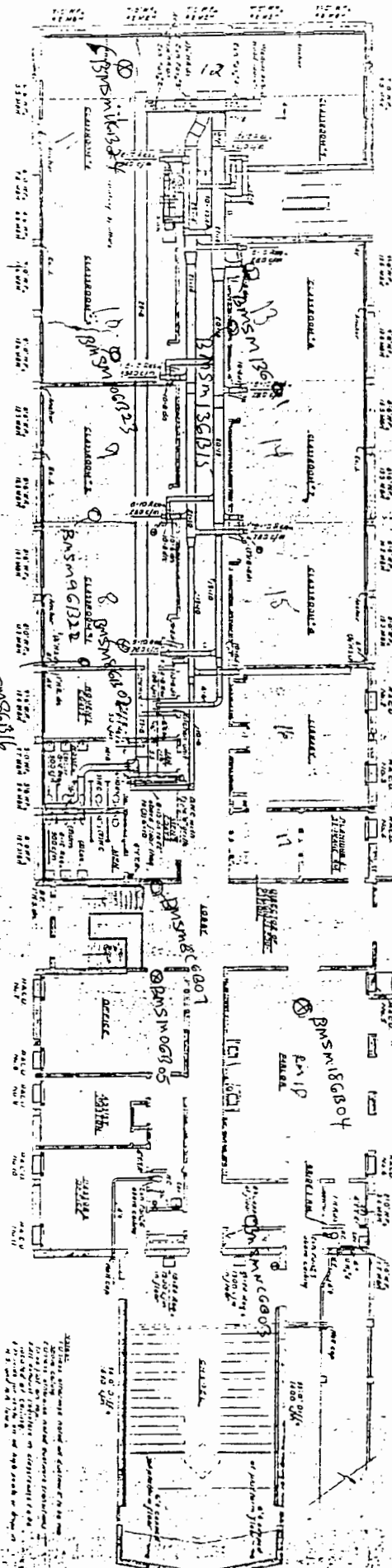
## **1. SAMPLE LOCATIONS**

PACKAGED AIR UNIT SCHEDULE			
UNIT	LOCATION	TYPE	WATT
1	Room 101	Unit	15
2	Room 102	Unit	15
3	Room 103	Unit	15
4	Room 104	Unit	15
5	Room 105	Unit	15
6	Room 106	Unit	15
7	Room 107	Unit	15
8	Room 108	Unit	15
9	Room 109	Unit	15
10	Room 110	Unit	15
11	Room 111	Unit	15
12	Room 112	Unit	15

NOTE: All units are of the "Packaged Air Unit" type, and are rated at 15 watts each. The units are located in the rooms indicated in the schedule above.

### CLASS ROOM

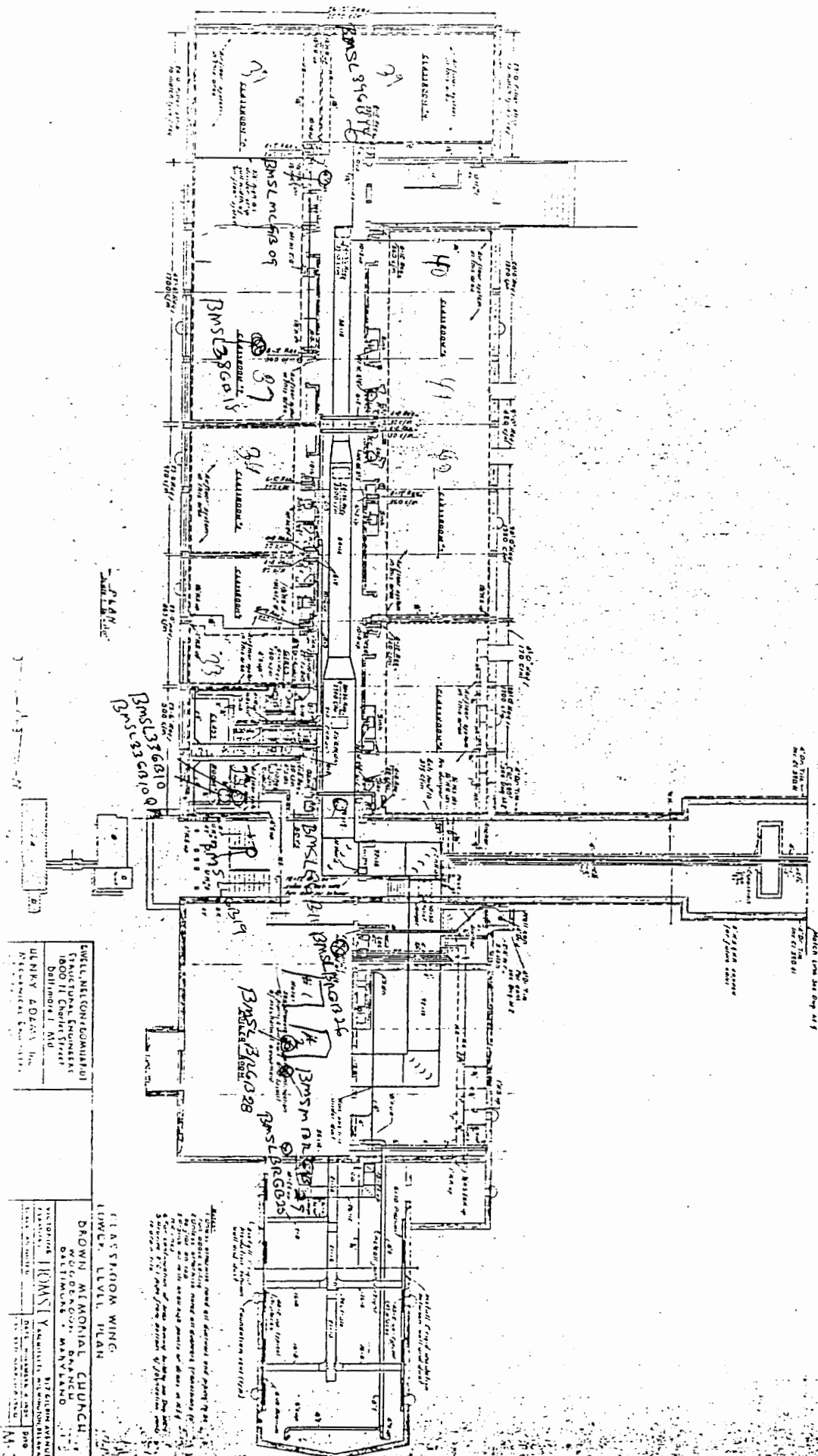
See page 10



SWELL NELSON NOMINATED  
STANDARD CONTRACT  
DESIGNER, INC.  
1000 CHURCH STREET  
BIRMINGHAM, ALA.  
ARCHITECT, INC.  
2315 11th Street  
Birmingham, ALA.

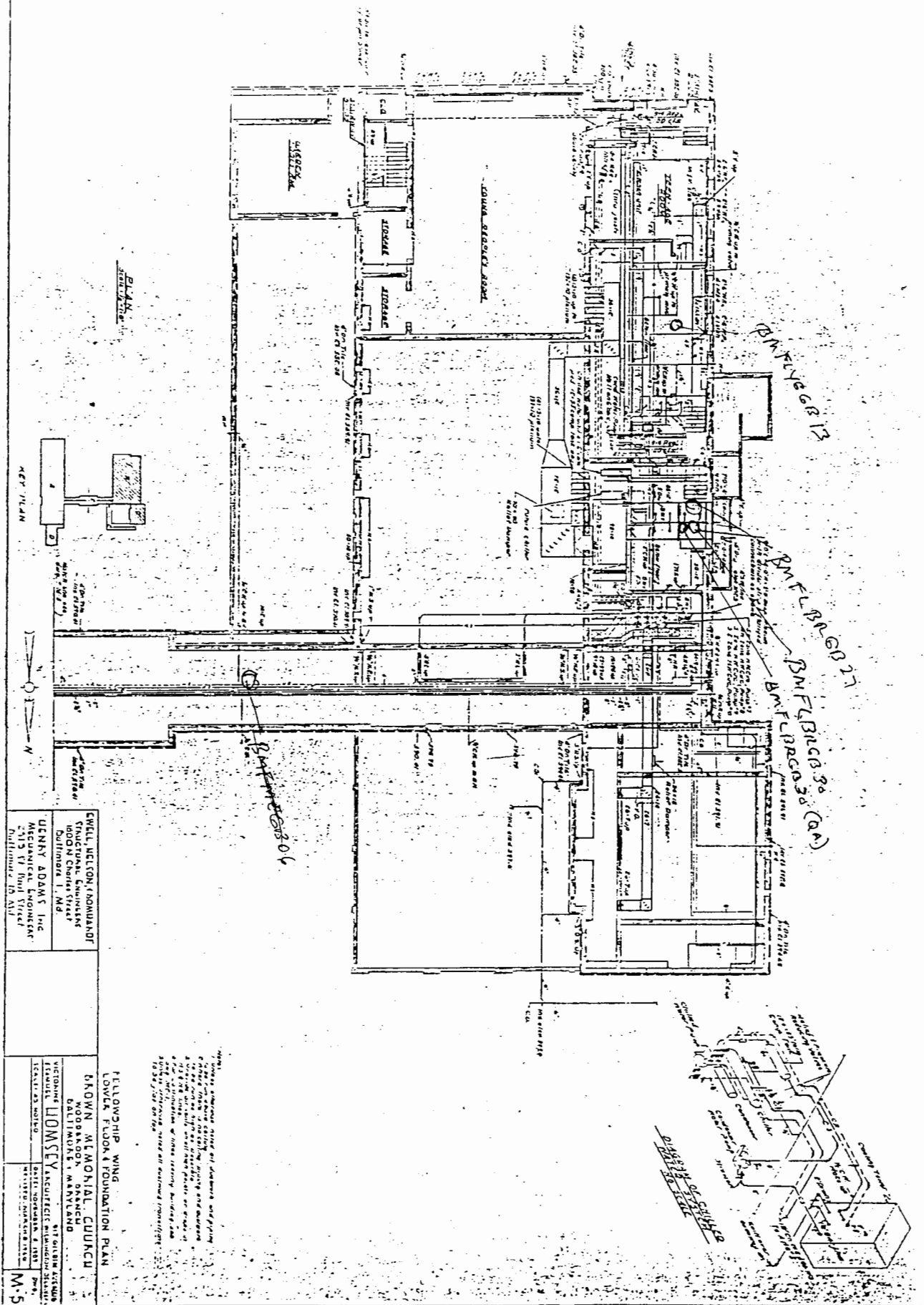
BROWN MEMORIAL CHURCH  
WOODBRIDGE, ALABAMA  
DESIGNER, INC.  
1000 CHURCH STREET  
BIRMINGHAM, ALA.  
ARCHITECT, INC.  
2315 11th Street  
Birmingham, ALA.

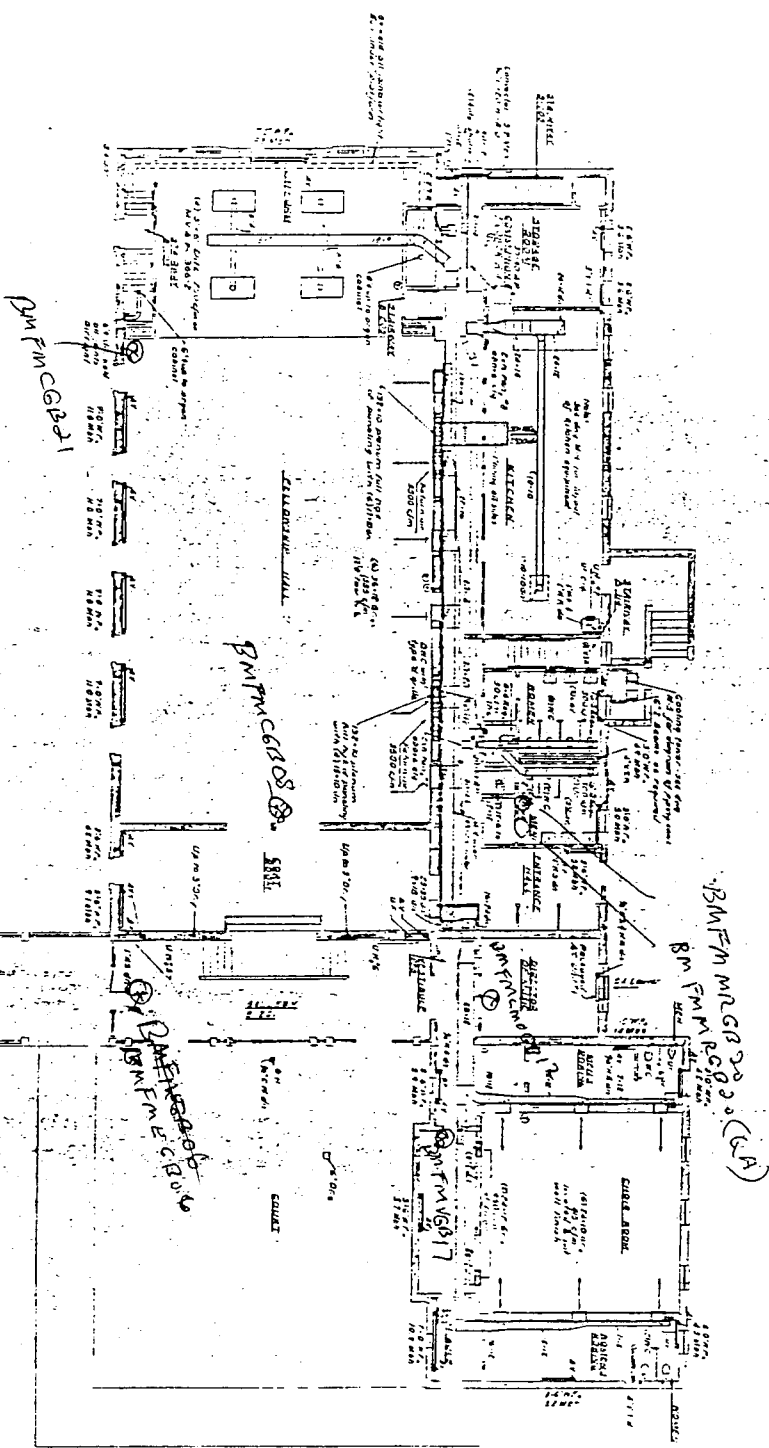
M-4



WELLINGTON (CONTINUED)  
 TRACTUAL ENGINEERS  
 1800 H. Charles Street  
 Baltimore, MD  
 ULLIN & DOLAN, Inc.  
 1100 North Avenue

CLASSROOM WING  
 LOWER LEVEL PLAN  
 BROWN MEMORIAL CHURCH  
 WASHINGTON, D.C.  
 BALTIMORE, MARYLAND  
 1100 NORTH AVENUE  
 BALTIMORE, MARYLAND  
 1100 NORTH AVENUE  
 BALTIMORE, MARYLAND





TRILL, HEYSON, SCHMIDT
1000 N. CHURCH STREET
BALTIMORE, MD 21201
TEL: 336-1100

FELLOWSHIP WING  
 MAIN FLOOR PLAN  
 BROWN MEMORIAL CHURCH  
 BALTIMORE, MARYLAND  
 1000 N. CHURCH STREET  
 BALTIMORE, MD 21201  
 TEL: 336-1100

4

## **2. HOMOGENEOUS AREAS**

# Inhomogeneous Area #1

Blown on surfacing material on ceilings.

Main Building - Main Floor

- Lobby 720

Office 725

Main Corridor 1668

Room # 18 - Parlor North Stairwell

Room # 17 288 <sup>Retired</sup> <sub>Chandeliers ceiling paint</sub> 164

- " # 16 526 <sup>Library</sup> 626

Room # 18 572

Room # 15

Room # 9 413

Room # 14 1656 <sup>13</sup> <sub>14</sub> <sub>15</sub>

Room # 10 690

Room # 13

Room # 11 667

Room # 12 730

South Stairwell 250

~~Classroom Building - Main Floor~~ ~~Main Building~~

Fellowship Wing Main Floor

Entrance Way 1340

Pool

Main Corridor 1668 Main 427

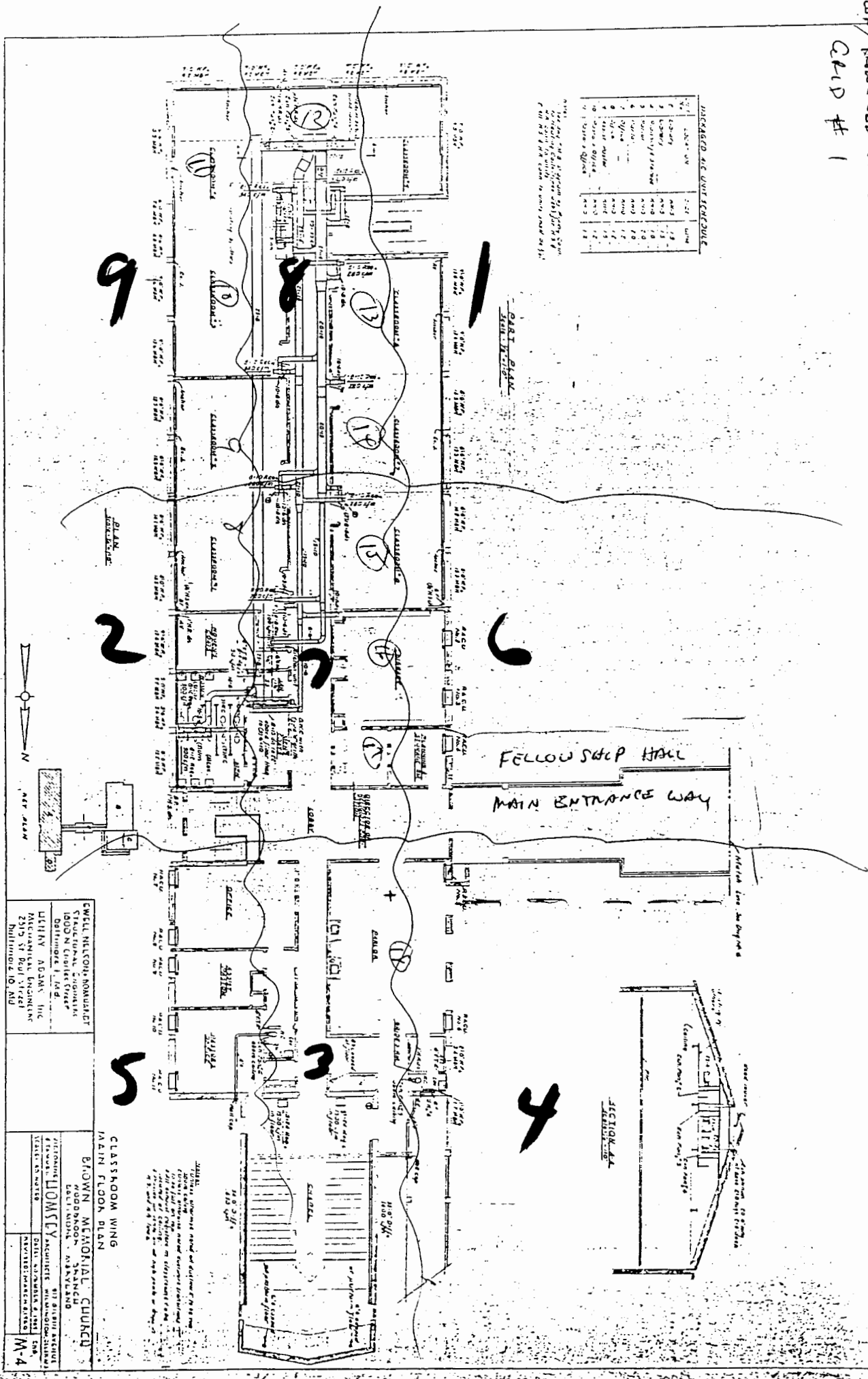
NW Corridor 68 Lobby - 357

TOTAL Sq ft  
10,959.  
7 samples

Card #1

[illegible]

1. The day "MS" is a part of the "MS" series.  
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10. The day "MS" is a part of the "MS" series.



transmission Area #2  
sketch

1X1/2 slip financial Sec office 400

Admin office ✓

entrance to chapel ✓ 242 sq ft.

men's room - main floor ✓ 384

ladies room ✓ 529.

Lower level Classroom wing  
corridor ceiling 960 -

Room # 39<sup>1100</sup> Room # 37<sup>518</sup> Room # 42 700

Room # 38<sup>1100</sup> Room # 41<sup>1100</sup> Room # 33 456

Room # 40<sup>735</sup> Room # 36<sup>413</sup>

Boys  
Sleeping - 12m.

Fellowship Hall main floor

Fellowship room - wall (near) 430.

ladies corridor 354.

ladies room > 347

men's room > 347

additional room off of choir room

to living room 352

choir master's office 224

Total sq ft  
13,552.

75m

Fellowship Hall lower level

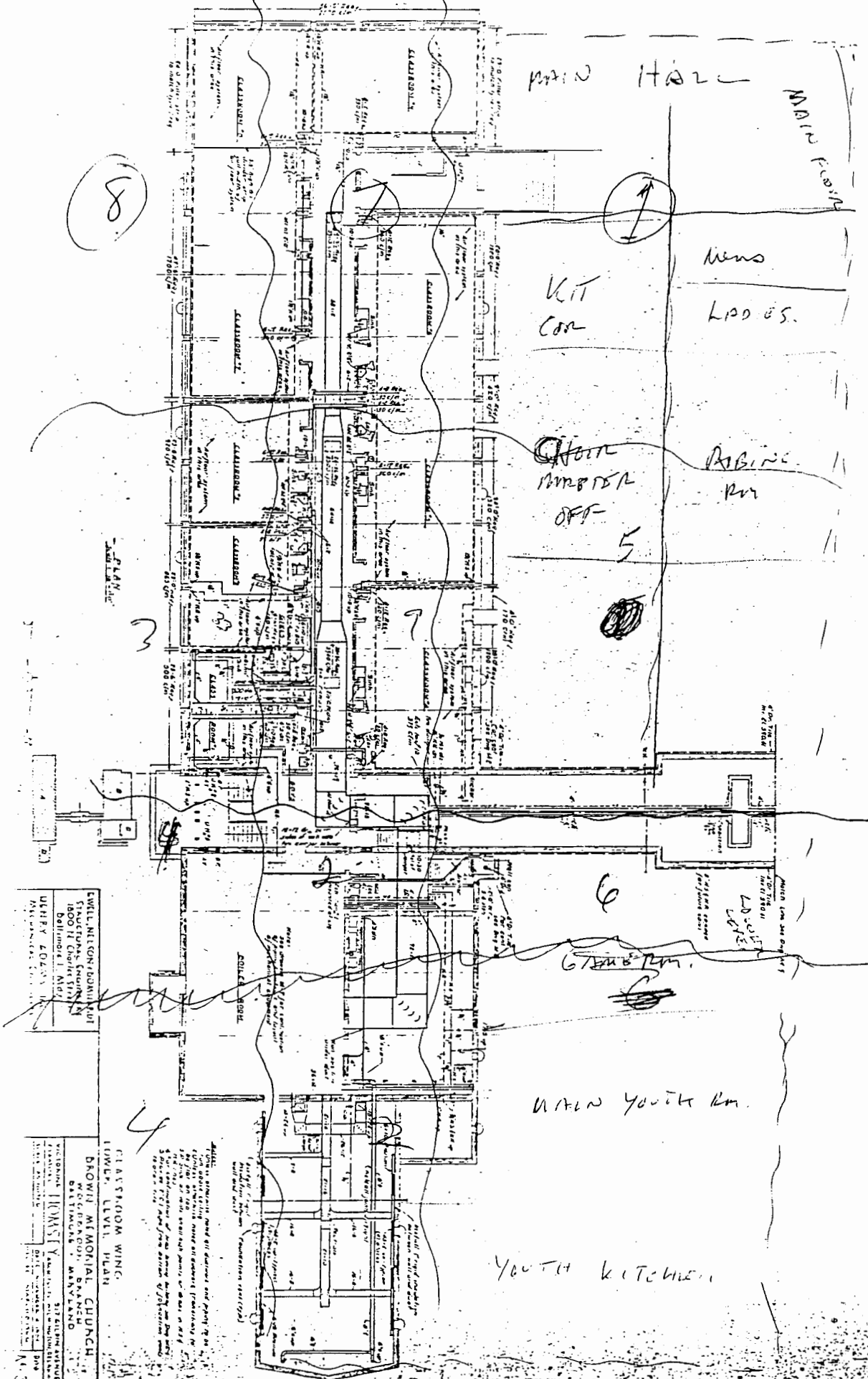
sound room 962

main youth room 1774

youth kitchen 578

2  
250  
18/5/1250

Handwritten notes on the right margin:  
 1  
 Homegrown over LT 2  
 1X1 account calling the GRID 2



ELLINGTON BUILDING  
 1800 11th Street  
 BIRMINGHAM, ALA.  
 DERRY, ALA.

CLAYTON WING  
 BROWN MEMORIAL CHURCH  
 WESTBROOK, BIRMINGHAM  
 DALLAS, TEXAS  
 317 E. 11th Street  
 DALLAS, TEXAS

negotiable Area #3  
 main floor } wall plaster  
 janitor's closet ✓ 920

360 Room # 17 ✓  
 main corridor 360  
 Business office  
 Admin. office  
 (Sec. office) ✓  
 800 men's room ✓  
 920 Ladies room ✓  
 250 Lobby (entrance) Room # 16 L-13. 960  
 Room # 18. 940  
 Room # 8 ✓ 960  
 Room # 11 ✓ 990  
 Room # 12 ✓ 1120  
 Room # 9 ✓ 440  
 Room # 14 ✓ 1180 & 315  
 Room # 10 ✓ 960  
 Room # 13 ✓

Lower level Classroom wing

Corridor C - 3520  
 Room # 39 1132 Room # 37 736 Room # 33 688  
 Room # 41 912  
 Room # 40 896 Room # 36 704  
 Room # 42 600

Men + women  
 112  
 112  
 224

Total sq ft.  
 41,651  
 7 ft

with stone fm. 275

Fellowship Hall main floor

Room walls + ceiling 5085  
 Kitchen corridor 984  
 Dining room 965  
 Kitchen  
 Ladies room } 350  
 men's room

Choir master's office 396

Stairwell to youth center

youth room South stairwell 643

Choir room 1140  
 additional room off of choir room

N. stairwell from kitchen 441

Living room 1080  
 Treatment + music room  
 1000 483

Comm room 160

CASE ROOM TO BACK OF STAGE 840

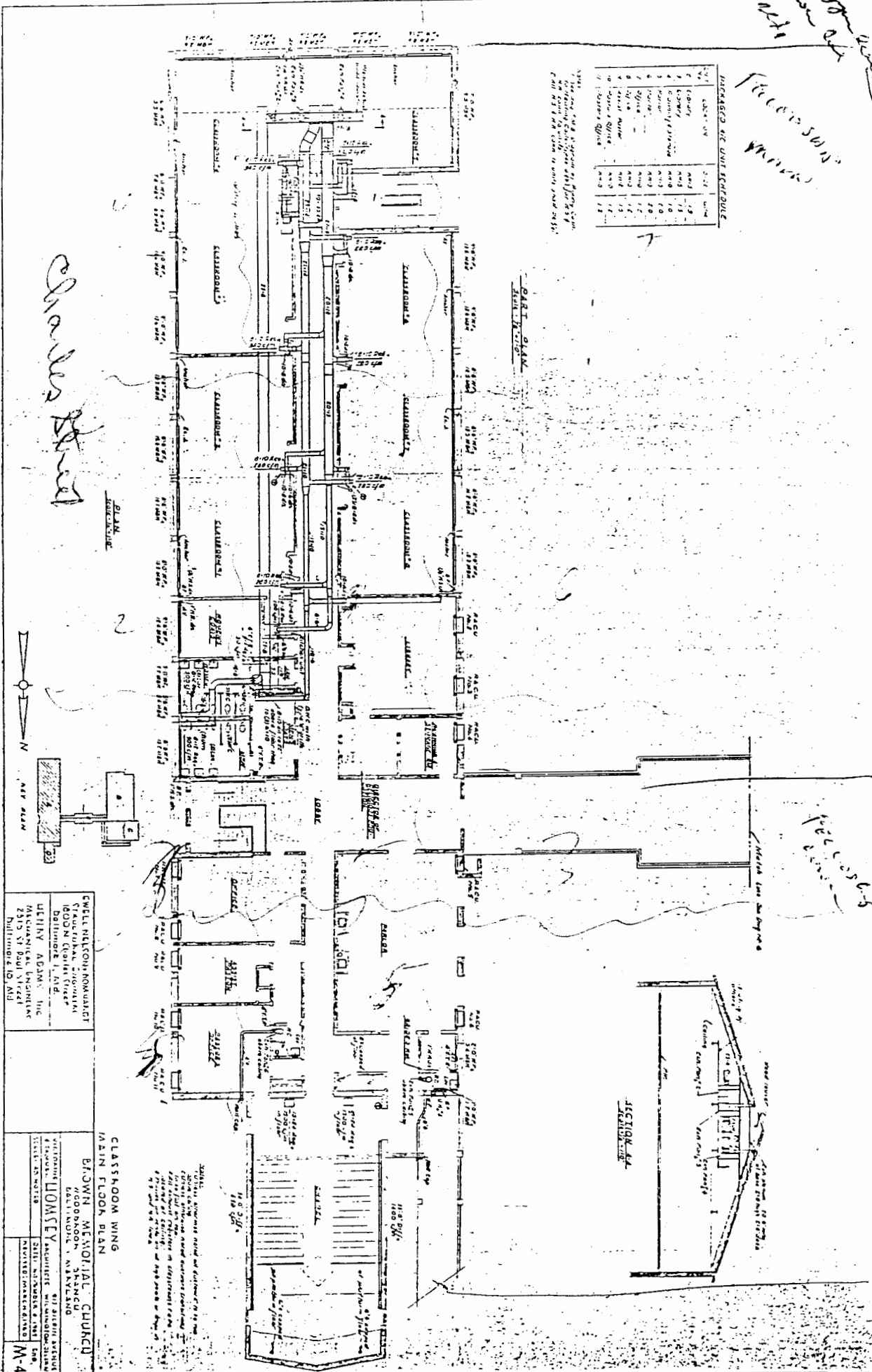
YOUTH KITCHEN 1841

Janitor's closet 182

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[illegible]

1. The Army will be aware of the Army's  
referring to the Army's and will be  
in the Army's and will be  
in the Army's and will be



Homogeneous Area #4

My Wall

3m + 11 ✓ 230

Room #10 ✓ 530

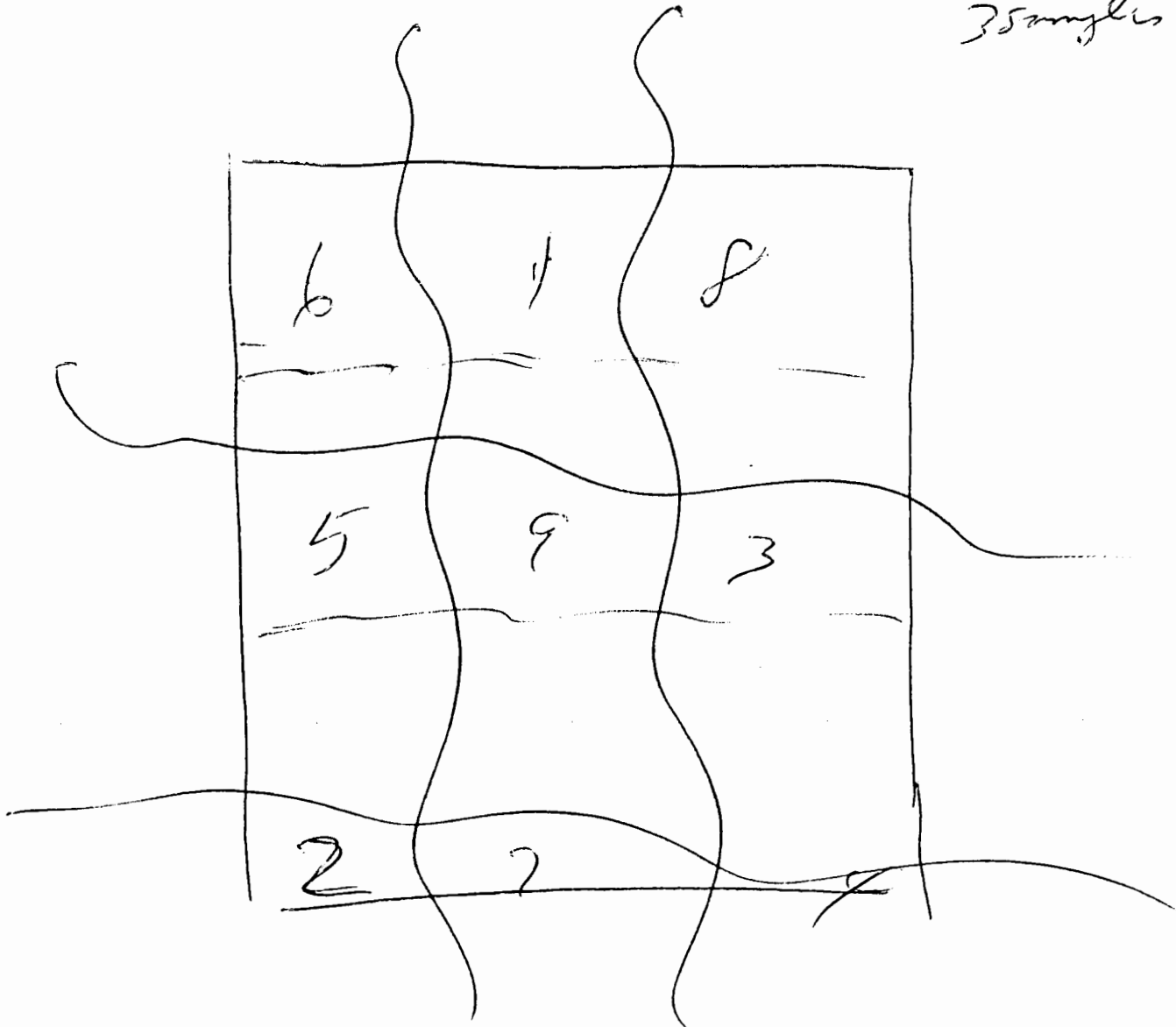
Room #9 ✓ 220



1000

35 angles

Cur  
T.



1. *Phragmites* - cover 3  
 Smith Plant Cakes in Rock House.

(2010 5-

